

What is claimed is:

1. A method for producing chlorosulfonyl isocyanate by reaction of sulfur trioxide with cyanogen chloride, wherein
chlorosulfonyl isocyanate or a solution including chlorosulfonyl isocyanate is used as a reaction solvent; and
sulfur trioxide and cyanogen chloride which are respectively diluted with the chlorosulfonyl isocyanate or the solution including chlorosulfonyl isocyanate are added at the same time to a reaction system in an almost equimolar amount under reflux.
2. A method for producing chlorosulfonyl isocyanate according to claim 1, wherein a reflux temperature is from 50 to 110°C.